

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041523\
 Data File : VX035088.D
 Acq On : 14 Apr 2023 17:06
 Operator : JC/MD
 Sample : 02345-01 20X
 Misc : 1.50g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1595

Quant Time: Apr 17 05:12:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

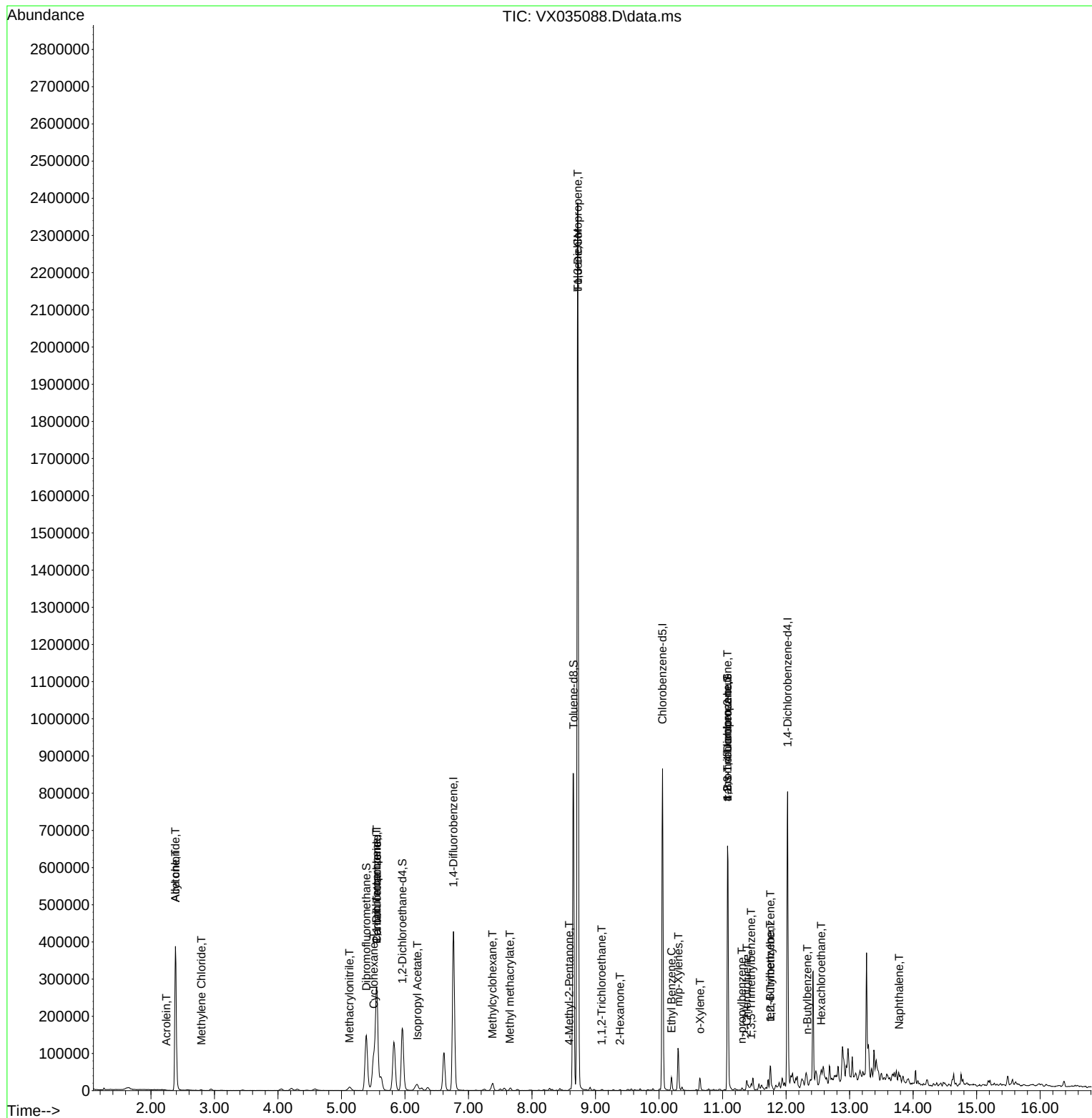
Internal Standards						
1) Pentafluorobenzene	5.556	168	259213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	379537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166073	41.892	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.780%		
35) Dibromofluoromethane	5.391	113	129380	44.938	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.880%		
50) Toluene-d8	8.653	98	512420	48.219	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.440%		
62) 4-Bromofluorobenzene	11.079	95	187081	45.493	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.980%		
Target Compounds						Qvalue
13) Acrolein	2.239	56	218	0.304	ug/l #	41
14) Allyl chloride	2.386	41	6479	1.243	ug/l #	1
16) Acetone	2.386	43	434287	269.672	ug/l	99
20) Methylene Chloride	2.794	84	852	0.268	ug/l #	79
31) Cyclohexane	5.507	56	29974	6.209	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	20843	4.887	ug/l #	51
38) Carbon Tetrachloride	5.556	117	26443	6.575	ug/l #	16
39) Methylcyclohexane	7.379	83	7635	1.686	ug/l	95
41) Methacrylonitrile	5.123	41	2694	1.111	ug/l #	48
43) Isopropyl Acetate	6.196	43	14015	1.878	ug/l #	62
48) Methyl methacrylate	7.653	41	2100	0.573	ug/l #	65
51) 4-Methyl-2-Pentanone	8.586	43	1049	0.238	ug/l #	68
52) Toluene	8.720	92	885480	110.913	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	10643	2.440	ug/l #	1
55) 1,1,2-Trichloroethane	9.098	97	895	0.296	ug/l #	15
59) 2-Hexanone	9.384	43	785	0.235	ug/l #	26
67) Ethyl Benzene	10.195	91	20061	1.402	ug/l	96
68) m/p-Xylenes	10.305	106	26682	4.883	ug/l	98
69) o-Xylene	10.646	106	8000	1.494	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	93203	27.921	ug/l #	34
78) n-propylbenzene	11.305	91	3722	0.266	ug/l	85
79) 2-Chlorotoluene	11.384	91	2639	0.298	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	6465	0.637	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	93203	83.676	ug/l #	8
83) tert-Butylbenzene	11.750	119	3026	0.318	ug/l #	51
84) 1,2,4-Trimethylbenzene	11.756	105	25330	2.455	ug/l	98
89) n-Butylbenzene	12.335	91	3352	0.397	ug/l #	43
90) Hexachloroethane	12.555	117	885	0.591	ug/l #	15
95) Naphthalene	13.780	128	14568	1.322	ug/l	95

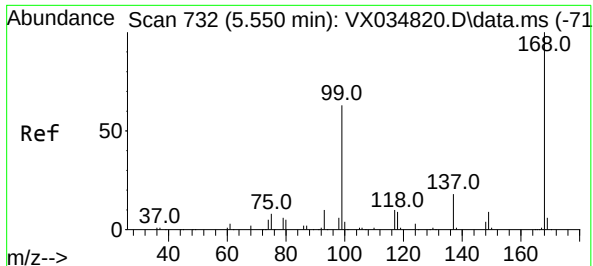
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

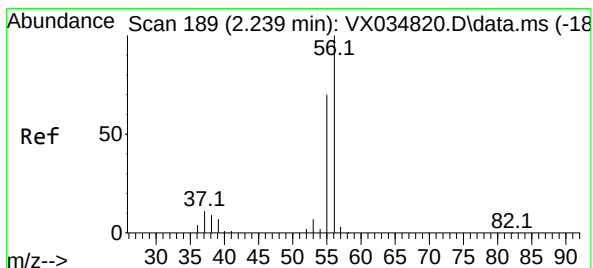
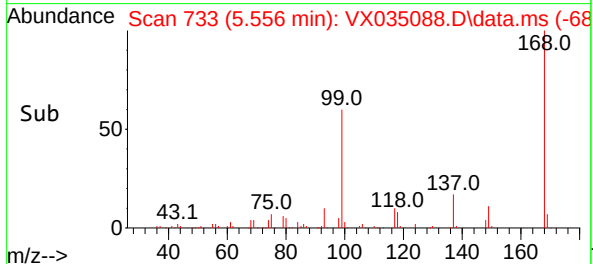
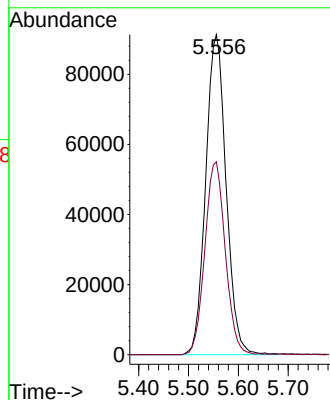
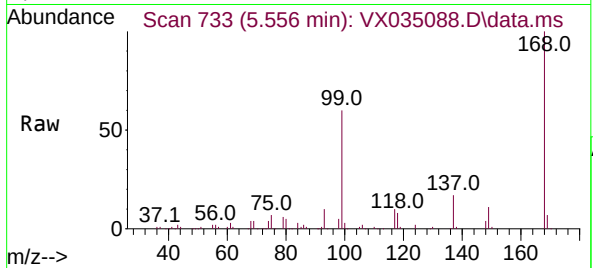




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

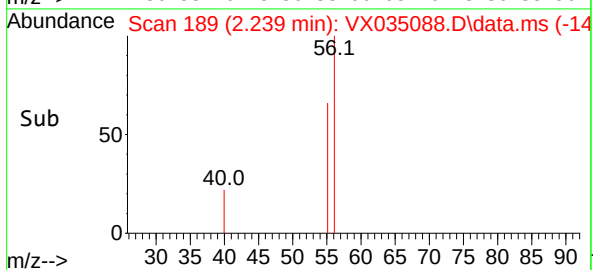
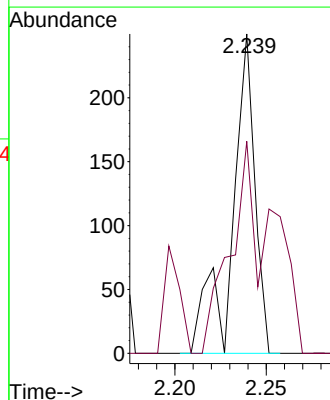
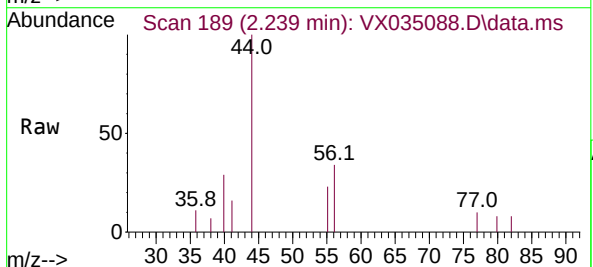
Instrument :
MSVOA_X
ClientSampleId :
1595

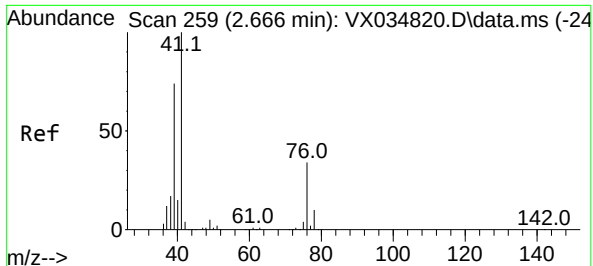
Tgt Ion:168 Resp: 259213
Ion Ratio Lower Upper
168 100
99 60.3 45.7 68.5



#13
Acrolein
Concen: 0.304 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

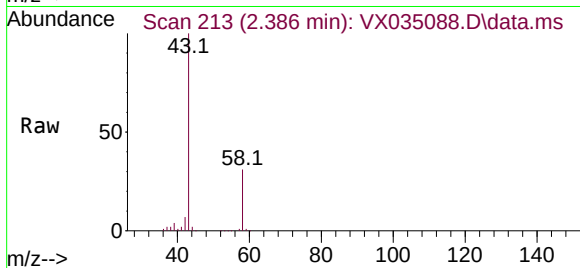
Tgt Ion: 56 Resp: 218
Ion Ratio Lower Upper
56 100
55 119.3 56.6 85.0#



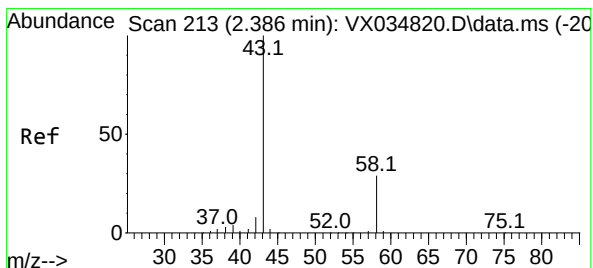
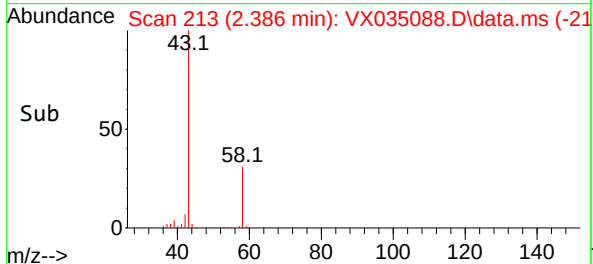
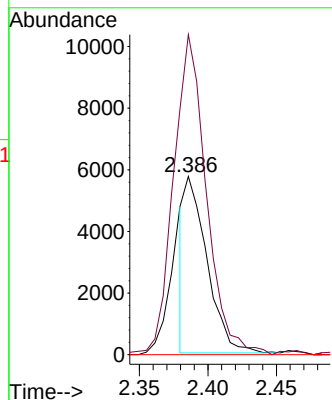


#14
 Allyl chloride
 Concen: 1.243 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.281 min
 Lab File: VX035088.D
 Acq: 14 Apr 2023 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 1595

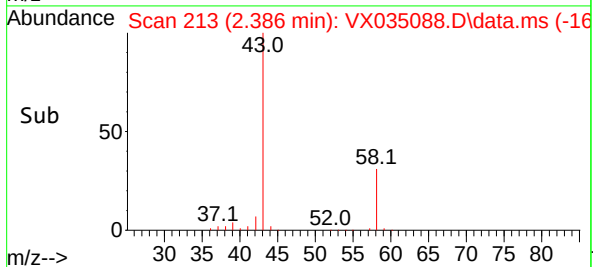
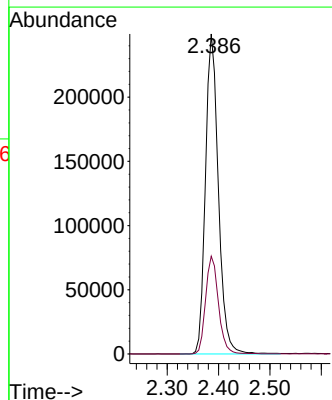
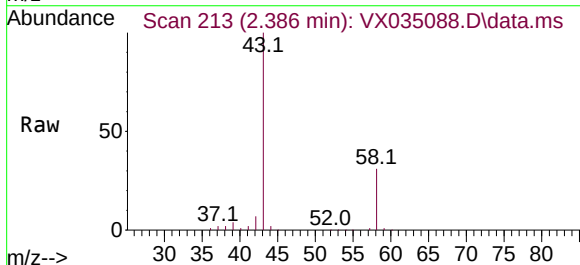


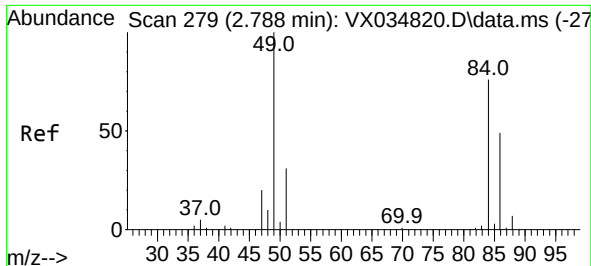
Tgt Ion: 41 Resp: 6479
 Ion Ratio Lower Upper
 41 100
 39 177.0 52.4 78.6#
 76 0.0 26.0 39.0#



#16
 Acetone
 Concen: 269.672 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX035088.D
 Acq: 14 Apr 2023 17:06

Tgt Ion: 43 Resp: 434287
 Ion Ratio Lower Upper
 43 100
 58 30.6 24.7 37.1





#20

Methylene Chloride

Concen: 0.268 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

1595

Tgt Ion: 84 Resp: 852

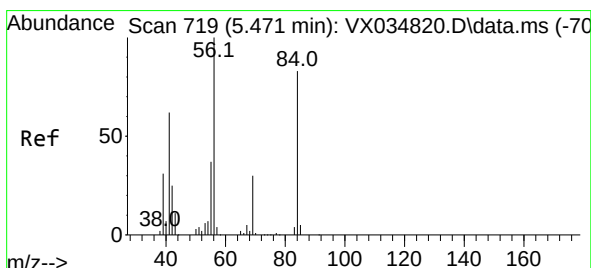
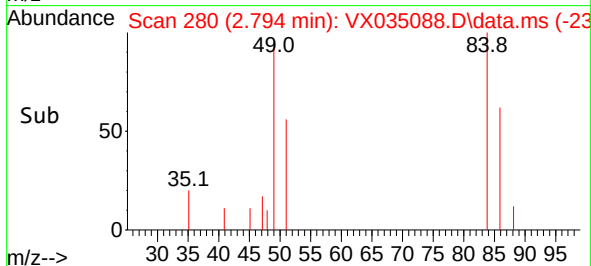
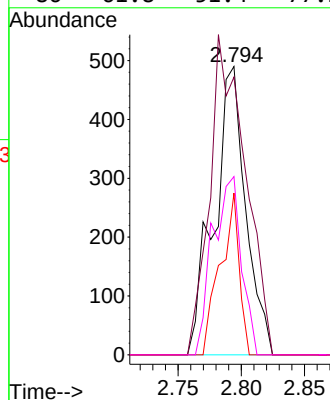
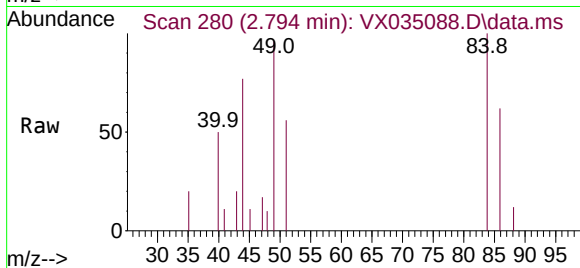
Ion Ratio Lower Upper

84 100

49 96.3 103.8 155.8#

51 56.1 31.8 47.8#

86 61.8 51.4 77.2



#31

Cyclohexane

Concen: 6.209 ug/l

RT: 5.507 min Scan# 725

Delta R.T. 0.036 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

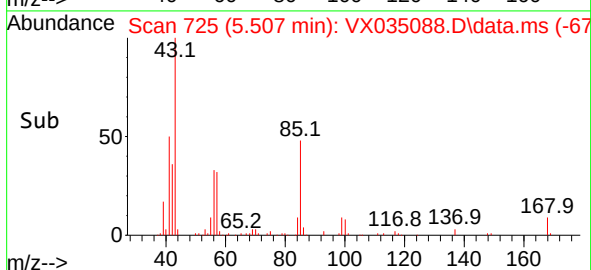
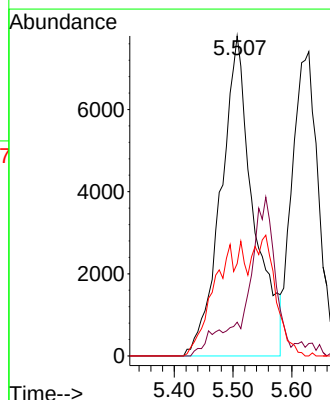
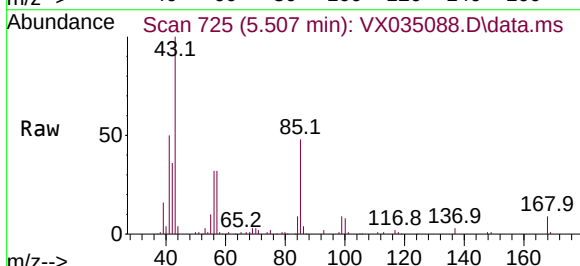
Tgt Ion: 56 Resp: 29974

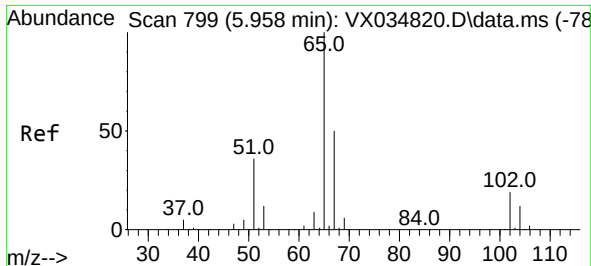
Ion Ratio Lower Upper

56 100

69 10.5 23.7 35.5#

84 28.9 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 41.892 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

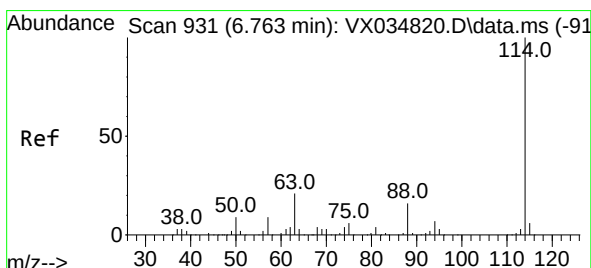
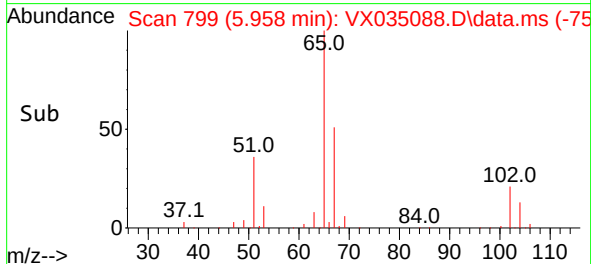
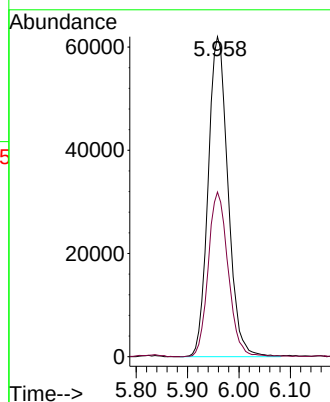
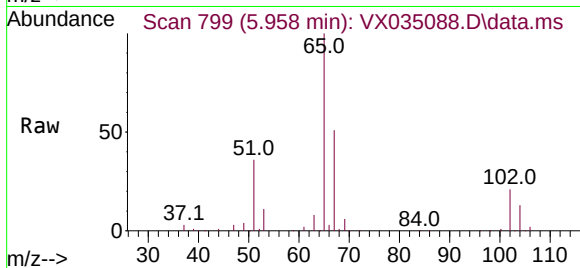
1595

Tgt Ion: 65 Resp: 166073

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

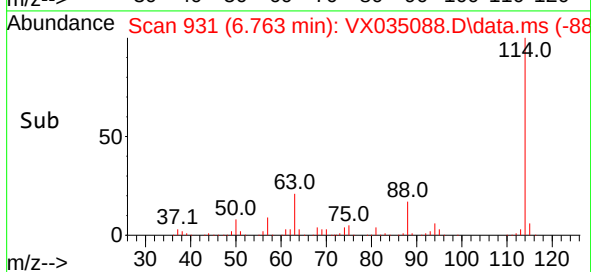
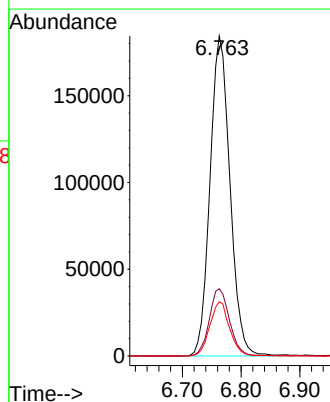
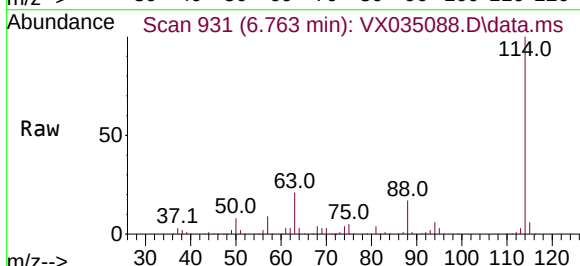
Tgt Ion: 114 Resp: 435287

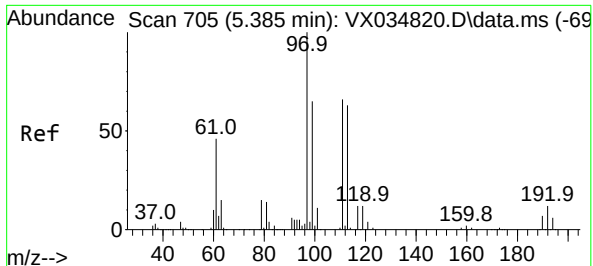
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.2

88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 44.938 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

1595

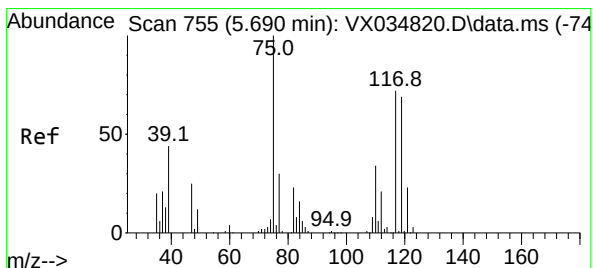
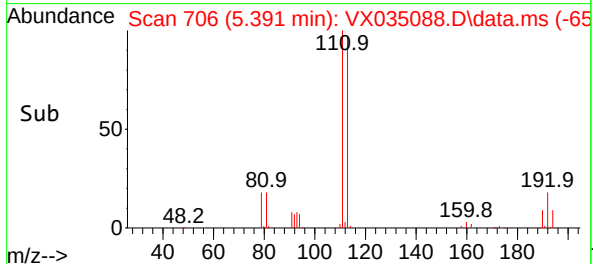
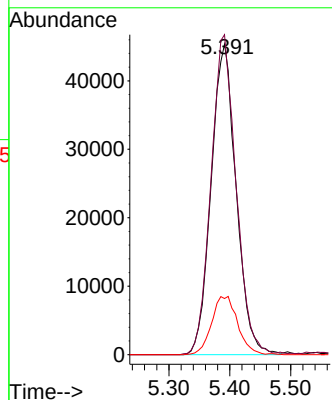
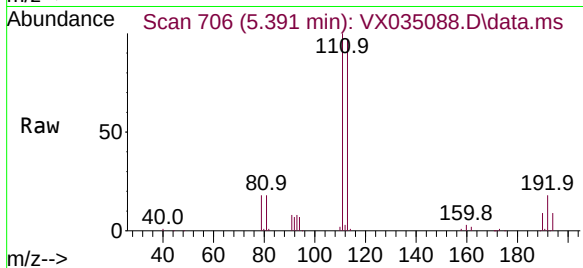
Tgt Ion:113 Resp: 129380

Ion Ratio Lower Upper

113 100

111 103.1 83.7 125.5

192 19.5 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.887 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

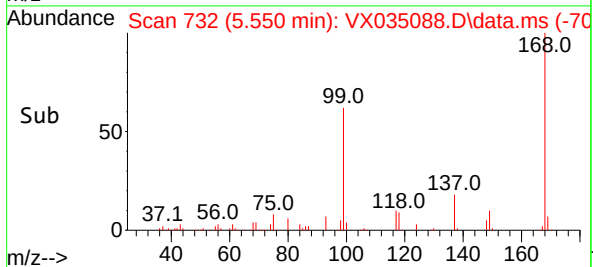
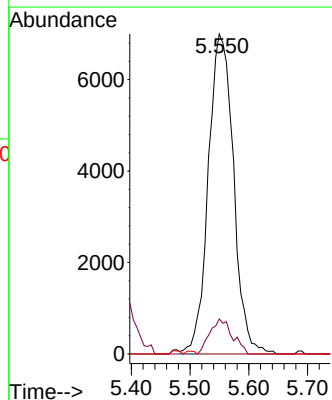
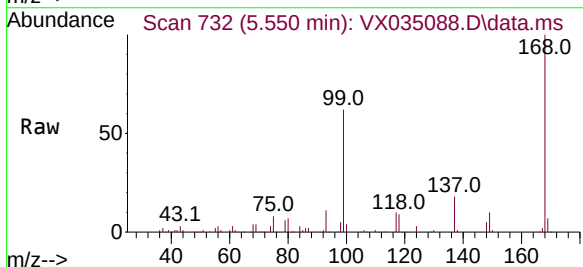
Tgt Ion: 75 Resp: 20843

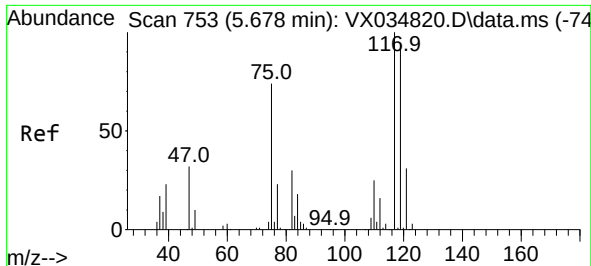
Ion Ratio Lower Upper

75 100

110 9.7 17.5 52.5#

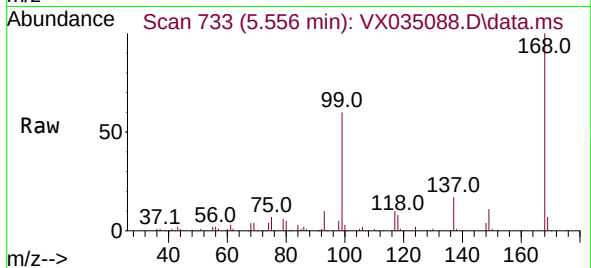
77 0.0 24.3 36.5#



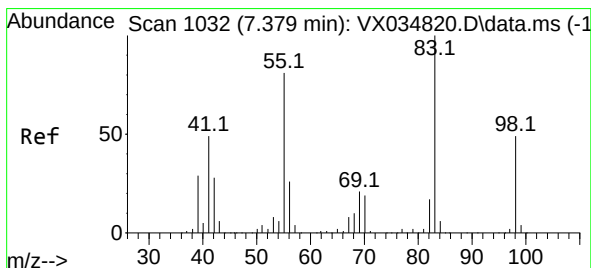
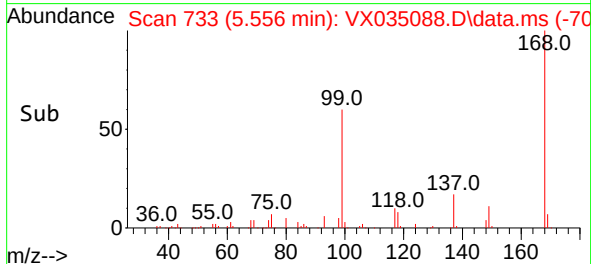
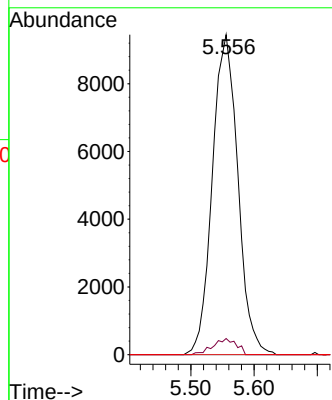


#38
Carbon Tetrachloride
Concen: 6.575 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

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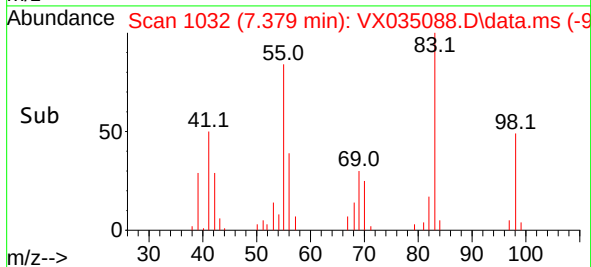
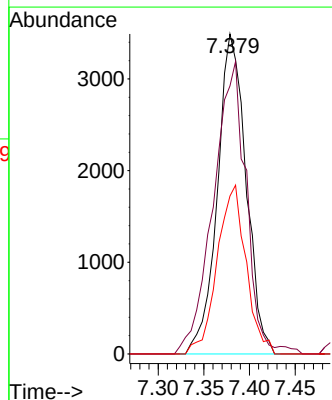
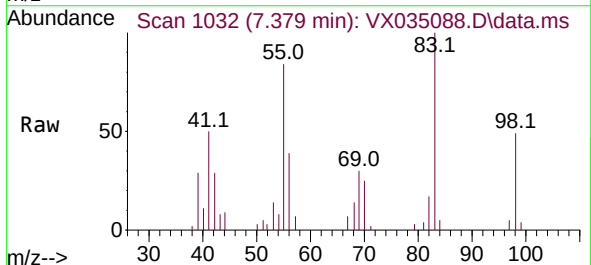


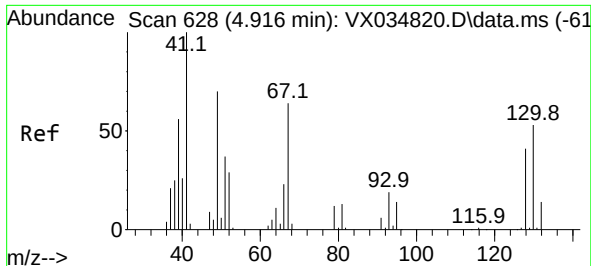
Tgt Ion:117 Resp: 26443
Ion Ratio Lower Upper
117 100
119 5.0 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 1.686 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

Tgt Ion: 83 Resp: 7635
Ion Ratio Lower Upper
83 100
55 81.4 60.5 90.7
98 49.4 40.4 60.6

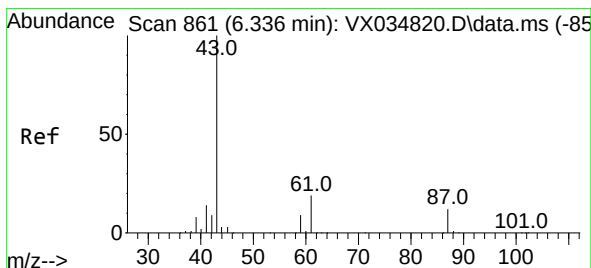
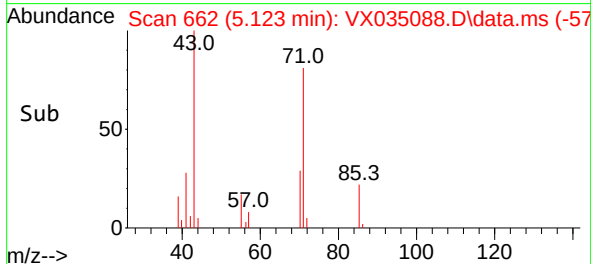
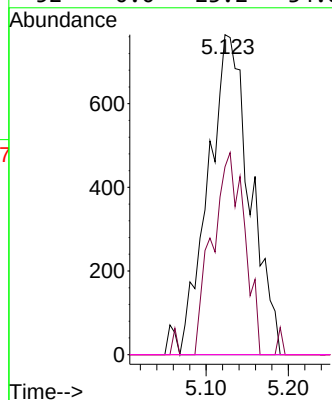
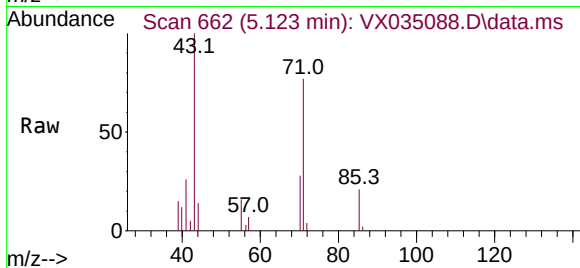




#41
Methacrylonitrile
Concen: 1.111 ug/l
RT: 5.123 min Scan# 61
Delta R.T. 0.207 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

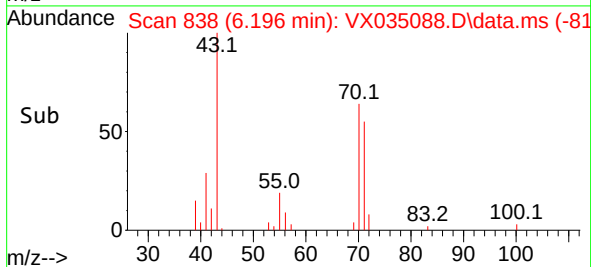
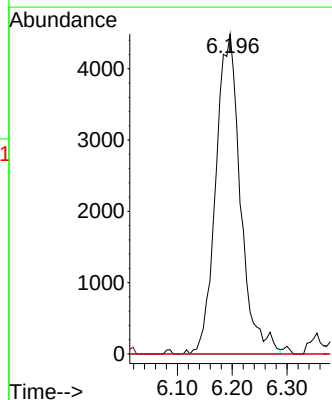
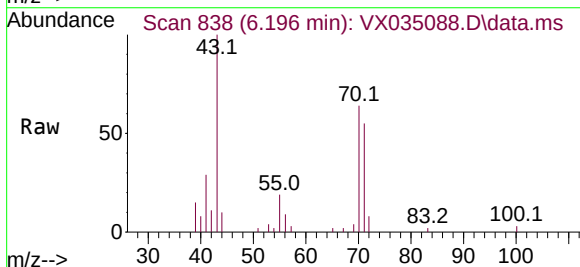
Instrument :
MSVOA_X
ClientSampleId :
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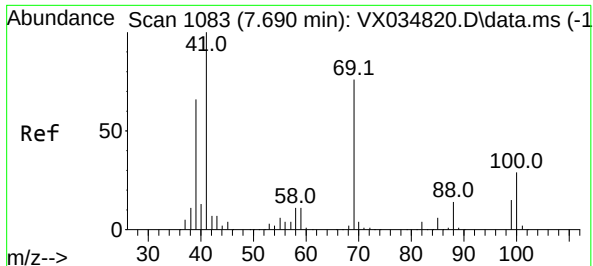
Tgt Ion: 41	Resp:	2694	
Ion	Ratio	Lower	Upper
41	100		
39	49.0	45.0	67.6
67	0.0	55.6	83.4#
52	0.0	23.2	34.8#



#43
Isopropyl Acetate
Concen: 1.878 ug/l
RT: 6.196 min Scan# 838
Delta R.T. -0.140 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

Tgt Ion: 43	Resp: 14015
Ion Ratio	Lower Upper
43 100	
61 0.0	15.2 22.8#
87 0.0	9.8 14.8#





#48

Methyl methacrylate

Concen: 0.573 ug/l

RT: 7.653 min Scan# 1

Delta R.T. -0.037 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

1595

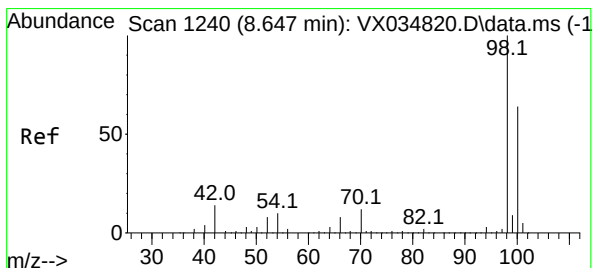
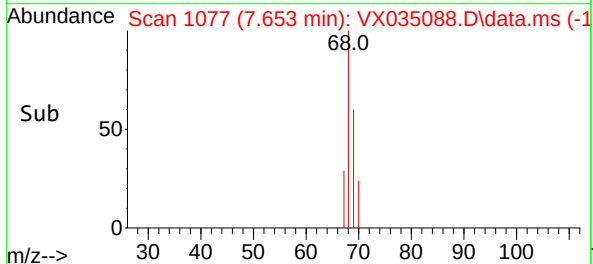
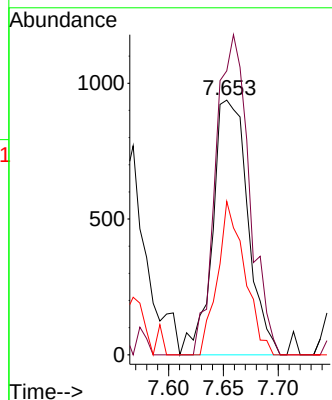
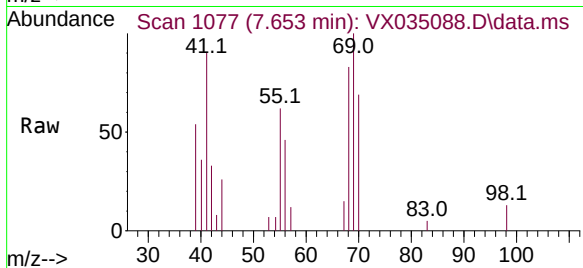
Tgt Ion: 41 Resp: 2100

Ion Ratio Lower Upper

41 100

69 119.7 62.2 93.4#

39 46.6 47.7 71.5#



#50

Toluene-d8

Concen: 48.219 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX035088.D

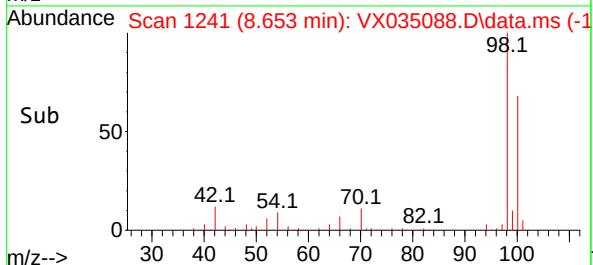
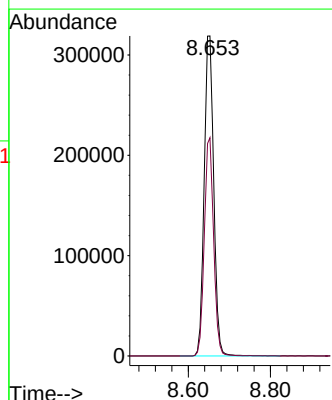
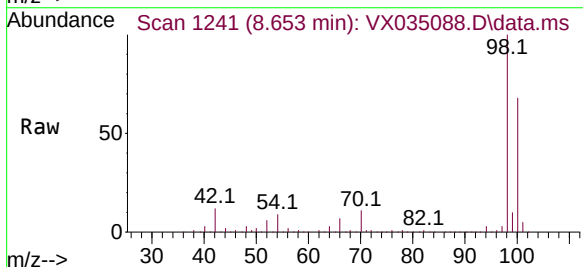
Acq: 14 Apr 2023 17:06

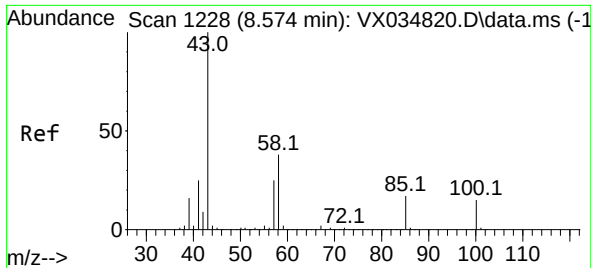
Tgt Ion: 98 Resp: 512420

Ion Ratio Lower Upper

98 100

100 66.6 52.5 78.7

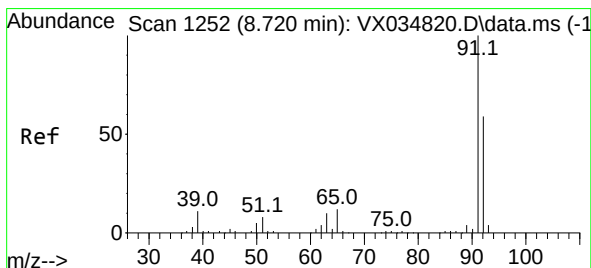
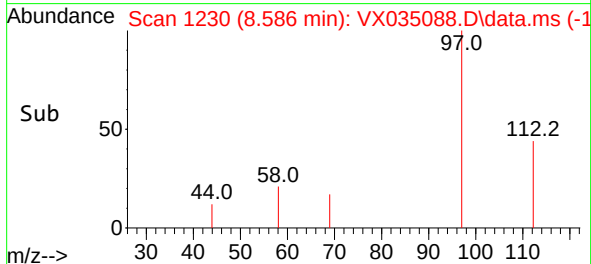
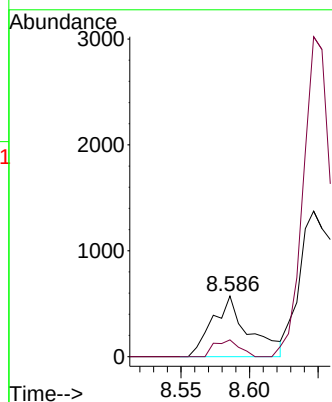
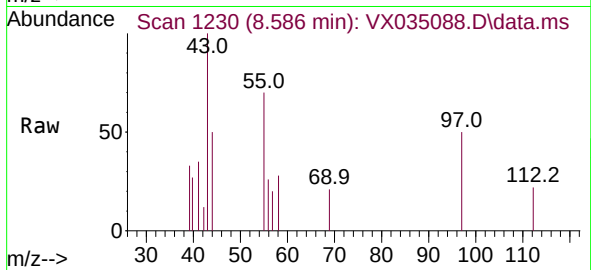




#51
4-Methyl-2-Pentanone
Concen: 0.238 ug/l
RT: 8.586 min Scan# 1195
Delta R.T. 0.012 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

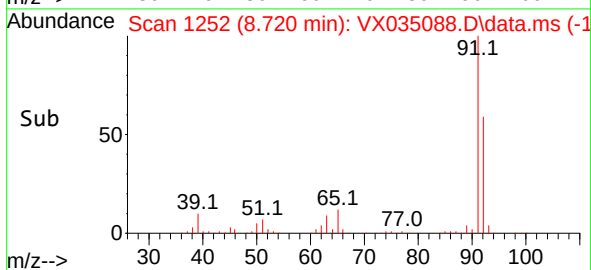
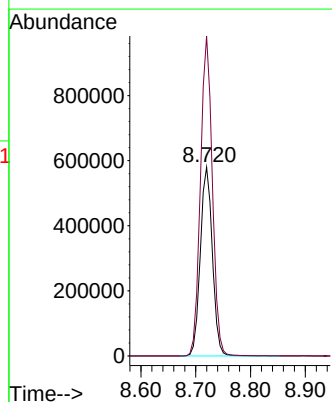
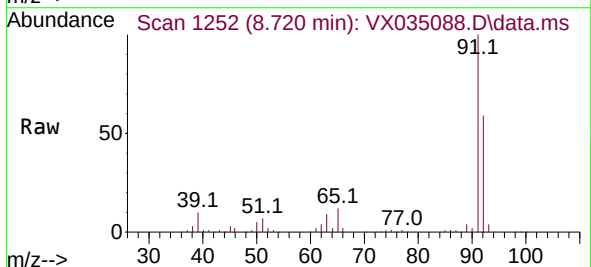
Instrument :
MSVOA_X
ClientSampleId :
1595

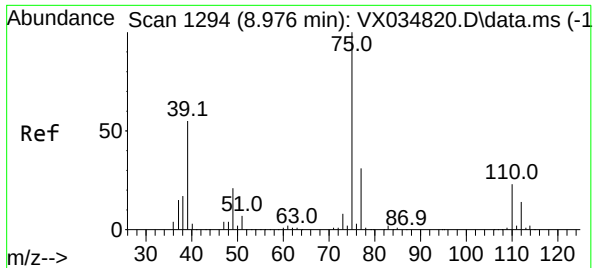
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 19.2 30.6 46.0#



#52
Toluene
Concen: 110.913 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

Tgt Ion: 92 Resp: 885480
Ion Ratio Lower Upper
92 100
91 167.7 136.8 205.2

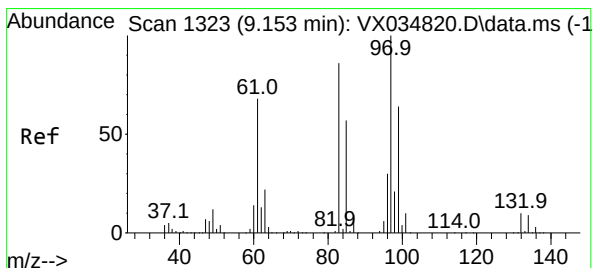
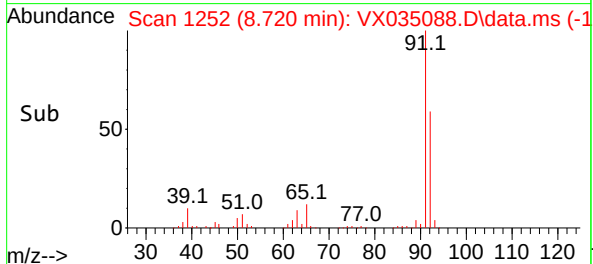
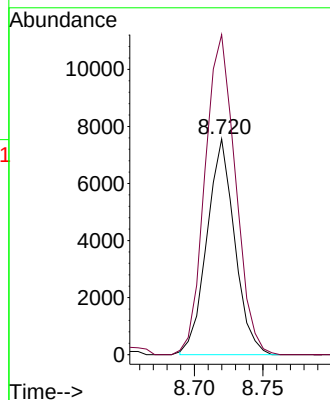
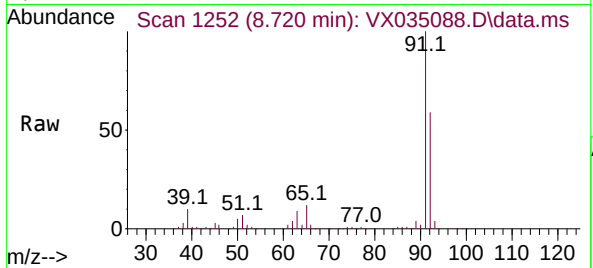




#53
t-1,3-Dichloropropene
Concen: 2.440 ug/l
RT: 8.720 min Scan# 11595
Delta R.T. -0.256 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

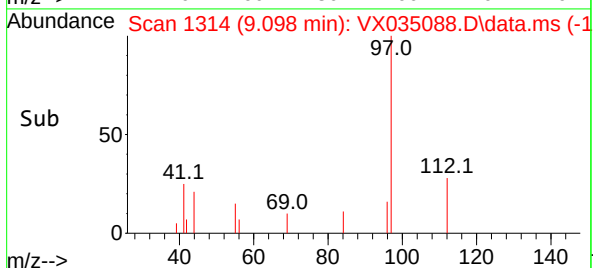
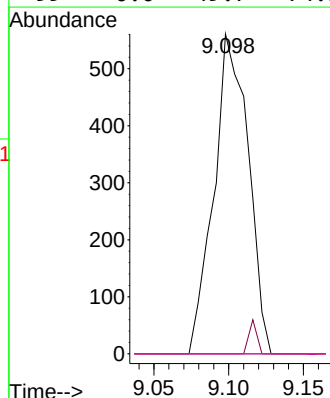
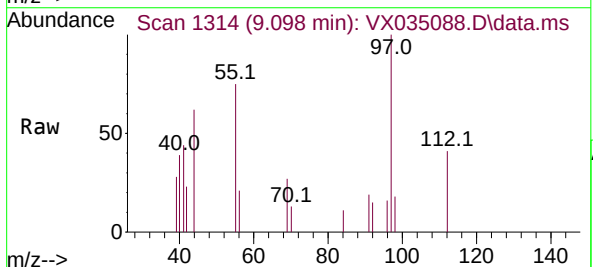
Instrument :
MSVOA_X
ClientSampleId :
1595

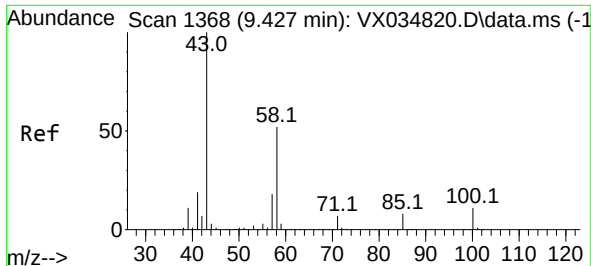
Tgt Ion: 75 Resp: 10643
Ion Ratio Lower Upper
75 100
77 148.4 25.4 38.2#



#55
1,1,2-Trichloroethane
Concen: 0.296 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.055 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

Tgt Ion: 97 Resp: 895
Ion Ratio Lower Upper
97 100
83 0.0 69.7 104.5#
85 0.0 43.7 65.5#
99 0.0 49.7 74.5#





#59

2-Hexanone

Concen: 0.235 ug/l

RT: 9.384 min Scan# 11

Delta R.T. -0.043 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

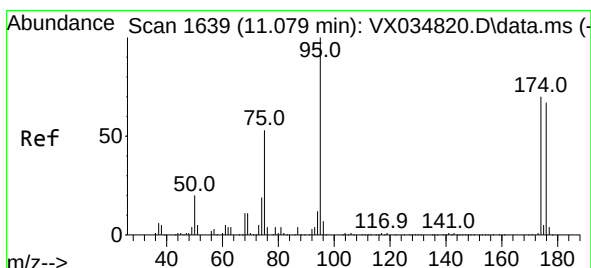
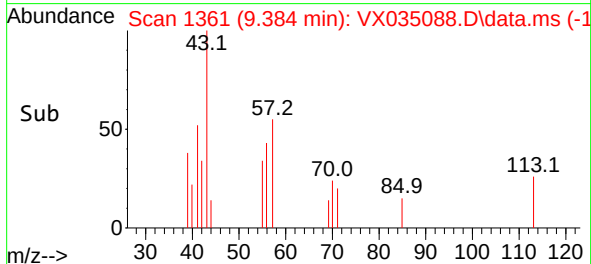
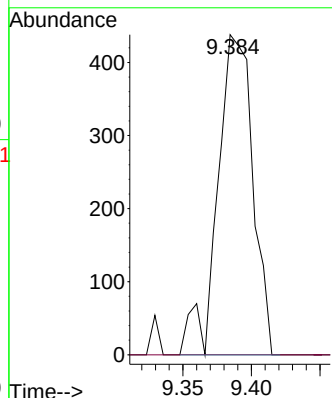
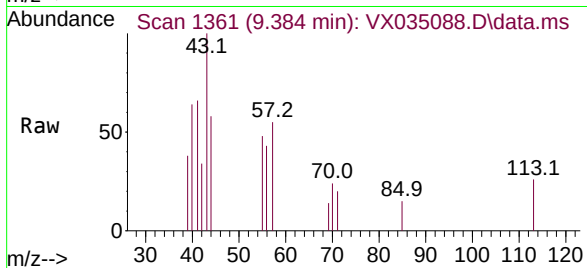
1595

Tgt Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 45.493 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

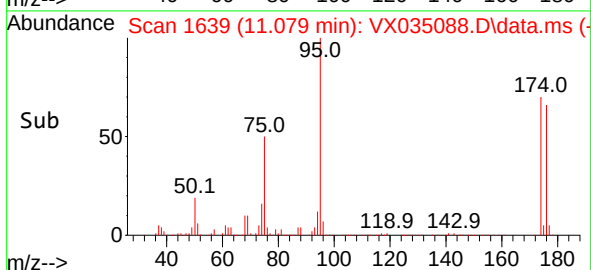
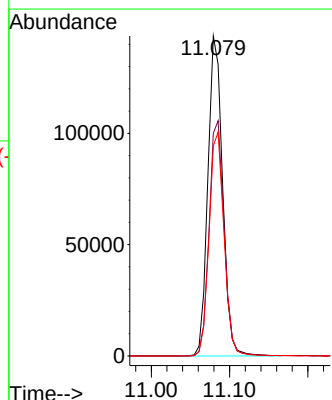
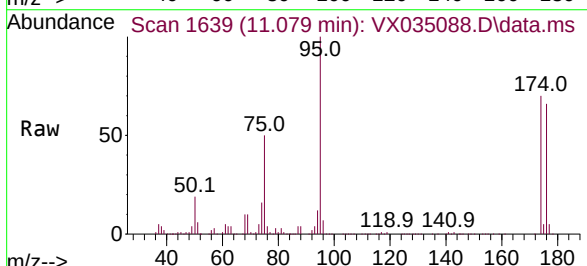
Tgt Ion: 95 Resp: 187081

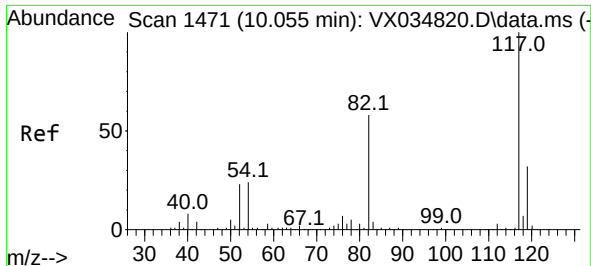
Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.4

176 71.3 0.0 140.6

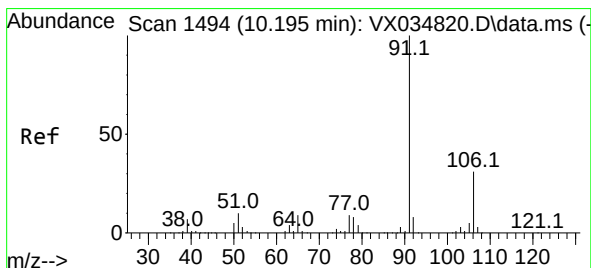
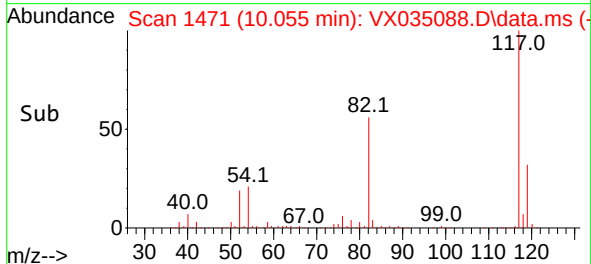
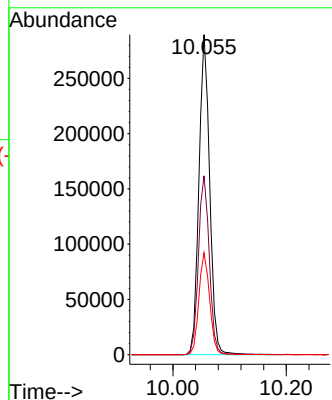
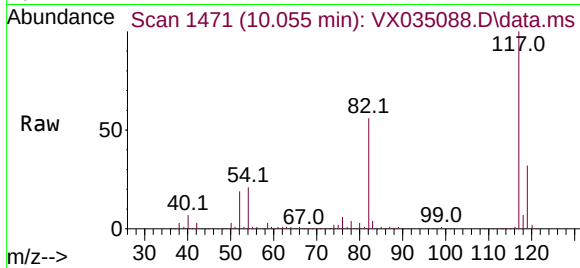




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

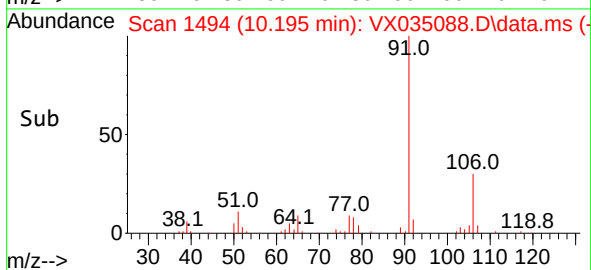
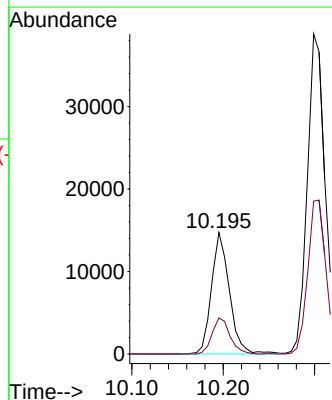
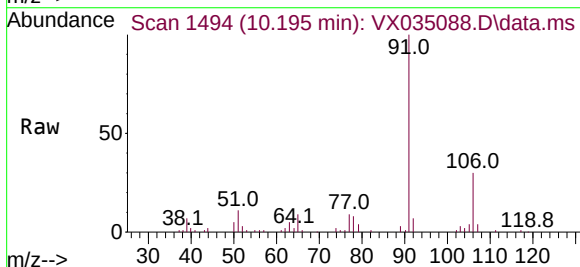
Instrument :
MSVOA_X
ClientSampleId :
1595

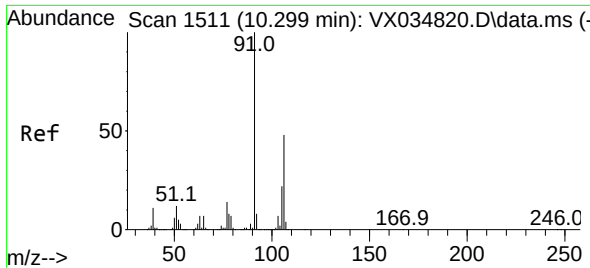
Tgt Ion:117 Resp: 379537
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.4
119 31.9 26.0 39.0



#67
Ethyl Benzene
Concen: 1.402 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

Tgt Ion: 91 Resp: 20061
Ion Ratio Lower Upper
91 100
106 29.6 25.6 38.4

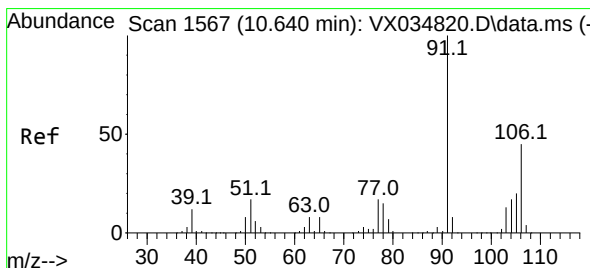
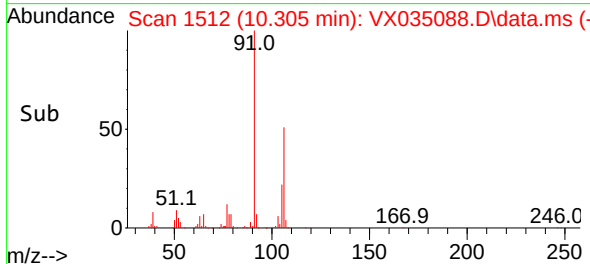
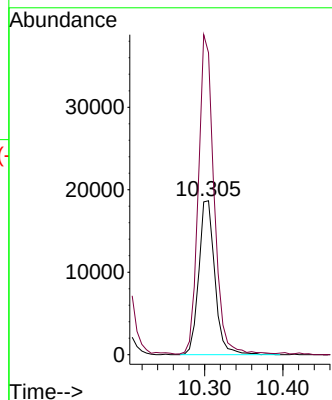
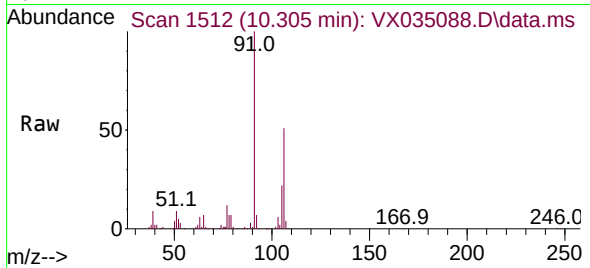




#68
m/p-Xylenes
Concen: 4.883 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

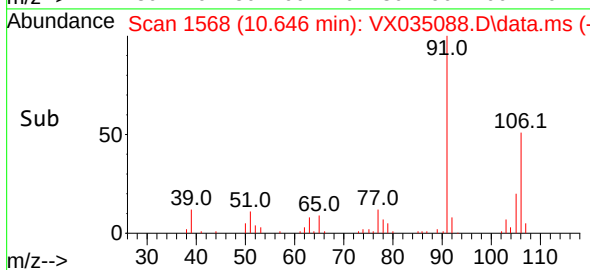
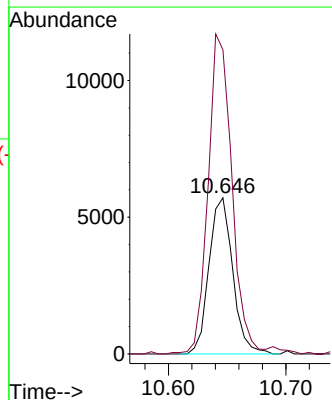
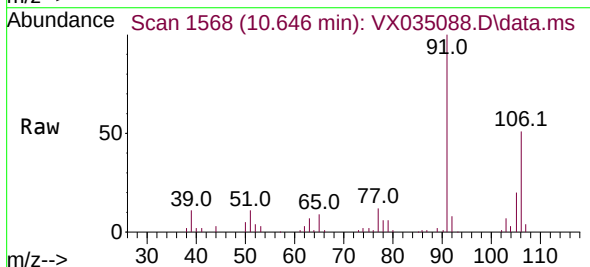
Instrument :
MSVOA_X
ClientSampleId :
1595

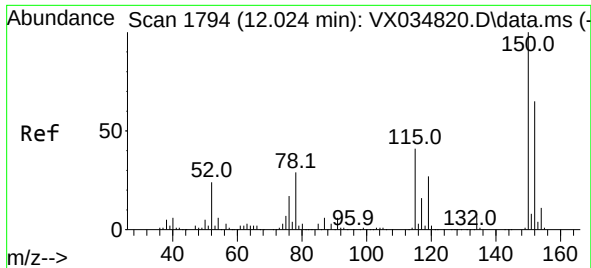
Tgt Ion:106 Resp: 26682
Ion Ratio Lower Upper
106 100
91 201.6 164.0 246.0



#69
o-Xylene
Concen: 1.494 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

Tgt Ion:106 Resp: 8000
Ion Ratio Lower Upper
106 100
91 205.2 108.5 325.3

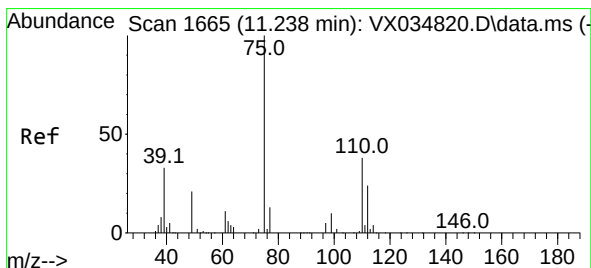
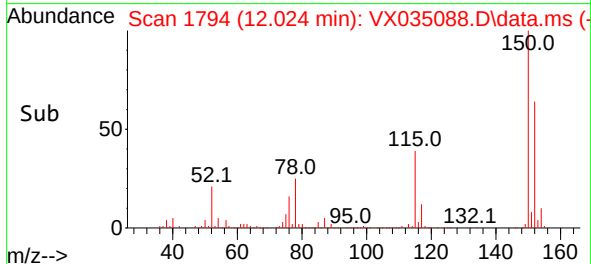
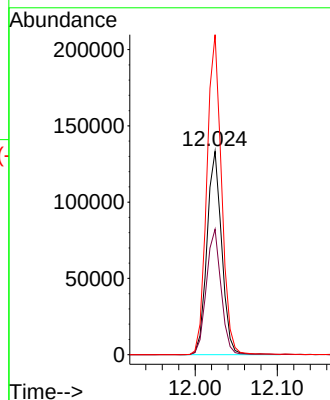
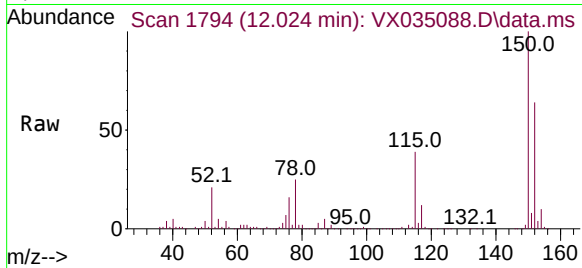




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035088.D
 Acq: 14 Apr 2023 17:06

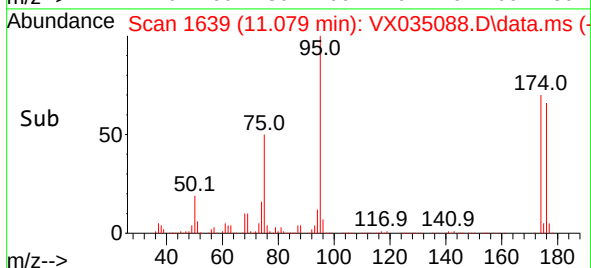
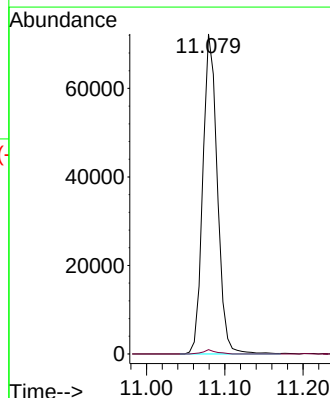
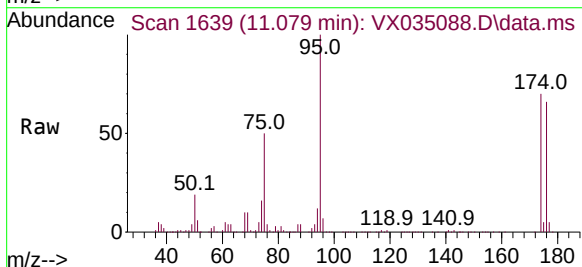
Instrument :
 MSVOA_X
 ClientSampleId :
 1595

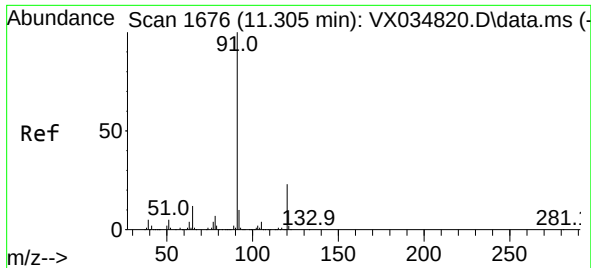
Tgt Ion:152 Resp: 165670
 Ion Ratio Lower Upper
 152 100
 115 61.7 45.0 135.0
 150 157.4 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 27.921 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035088.D
 Acq: 14 Apr 2023 17:06

Tgt Ion: 75 Resp: 93203
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 64.8#

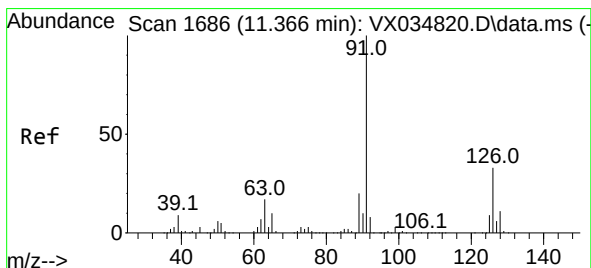
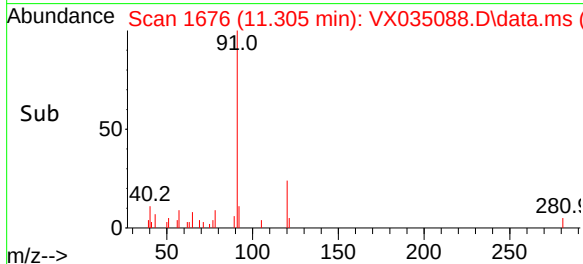
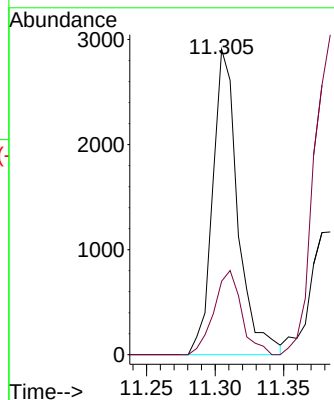
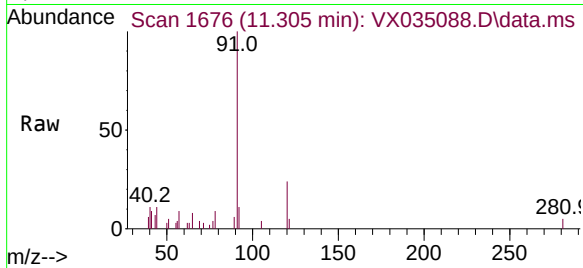




#78
n-propylbenzene
Concen: 0.266 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

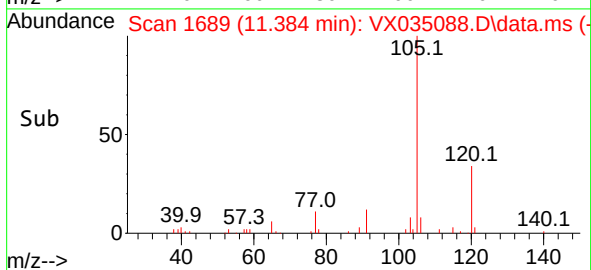
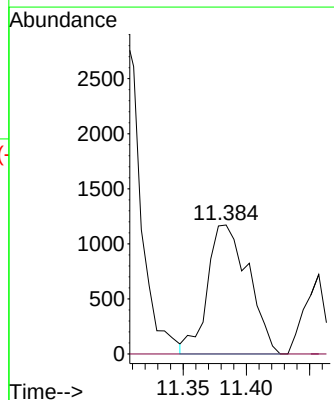
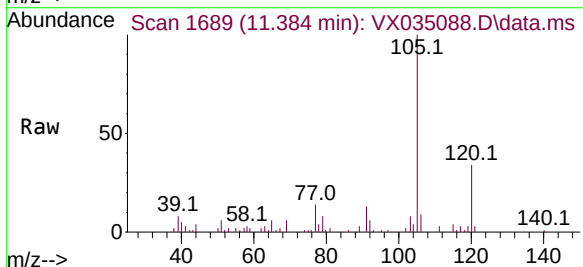
Instrument :
MSVOA_X
ClientSampleId :
1595

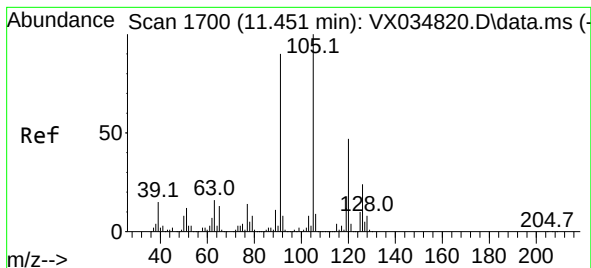
Tgt Ion: 91 Resp: 3722
Ion Ratio Lower Upper
91 100
120 30.1 11.5 34.5



#79
2-Chlorotoluene
Concen: 0.298 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.018 min
Lab File: VX035088.D
Acq: 14 Apr 2023 17:06

Tgt Ion: 91 Resp: 2639
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.9#





#80

1,3,5-Trimethylbenzene

Concen: 0.637 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

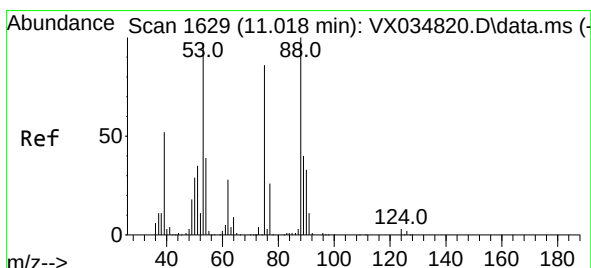
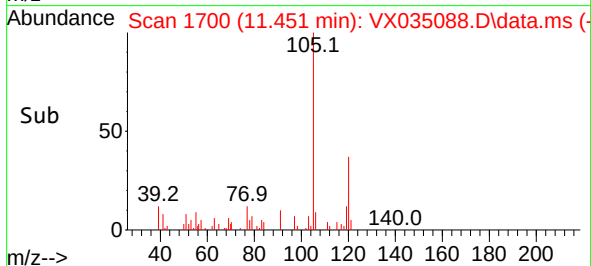
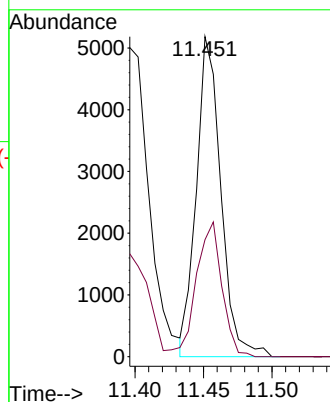
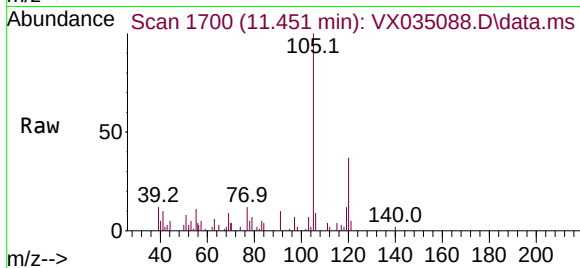
1595

Tgt Ion:105 Resp: 6465

Ion Ratio Lower Upper

105 100

120 43.6 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 83.676 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

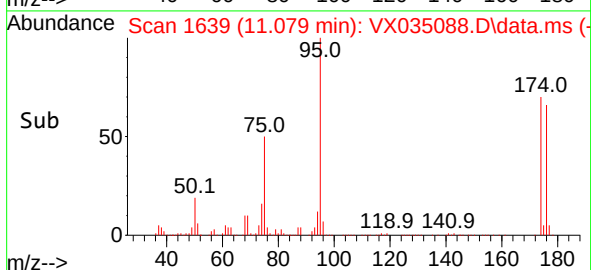
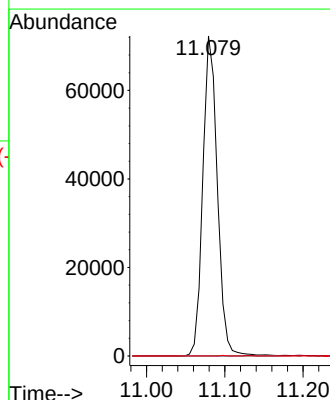
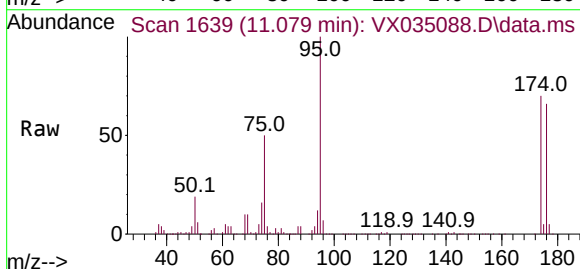
Tgt Ion: 75 Resp: 93203

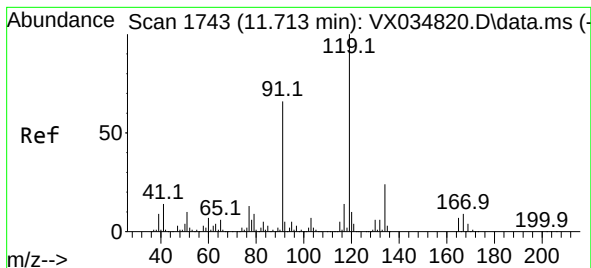
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.1 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.318 ug/l

RT: 11.750 min Scan# 1

Delta R.T. 0.037 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

1595

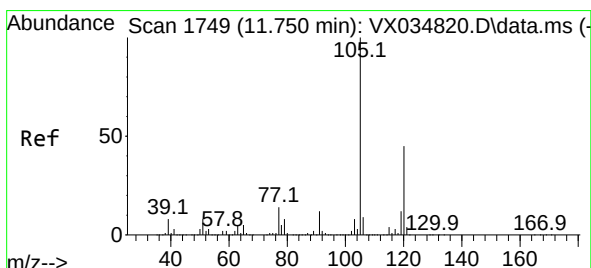
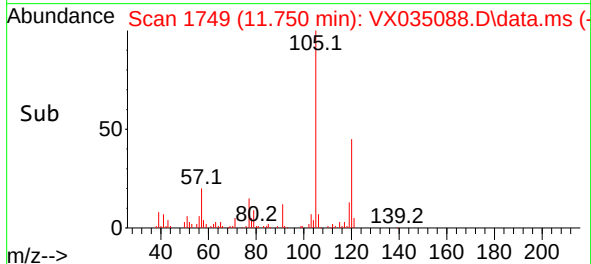
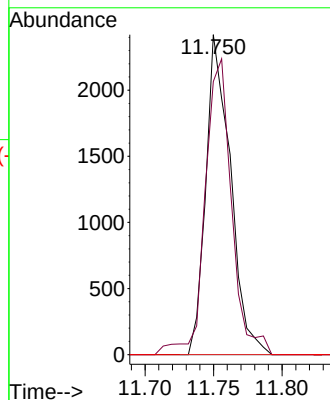
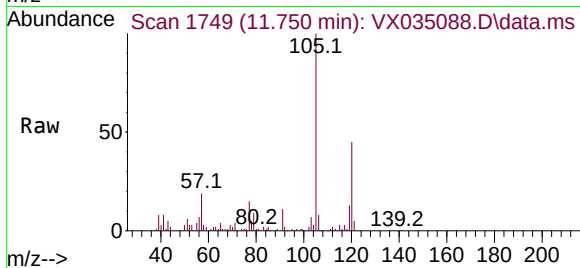
Tgt Ion:119 Resp: 3026

Ion Ratio Lower Upper

119 100

91 99.5 30.6 92.0#

134 0.0 11.8 35.4#



#84

1,2,4-Trimethylbenzene

Concen: 2.455 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX035088.D

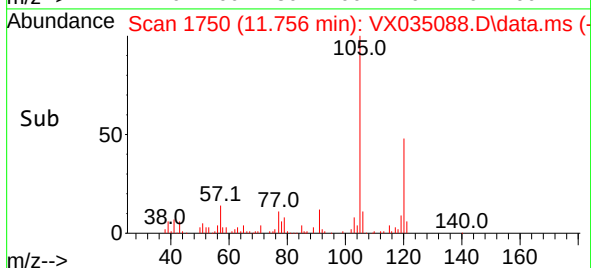
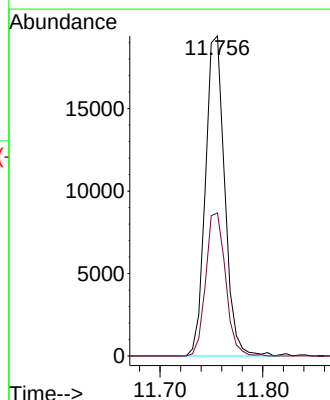
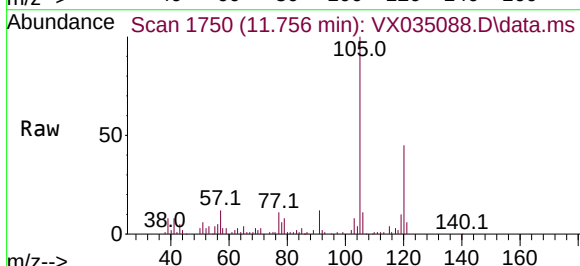
Acq: 14 Apr 2023 17:06

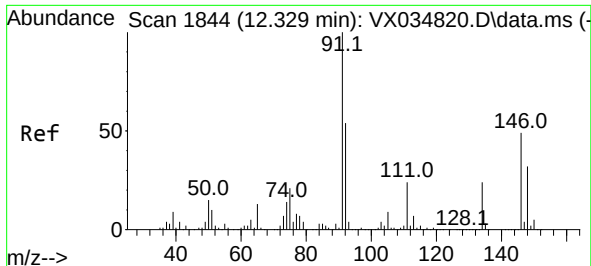
Tgt Ion:105 Resp: 25330

Ion Ratio Lower Upper

105 100

120 45.9 22.4 67.0





#89

n-Butylbenzene

Concen: 0.397 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX035088.D

Acq: 14 Apr 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

1595

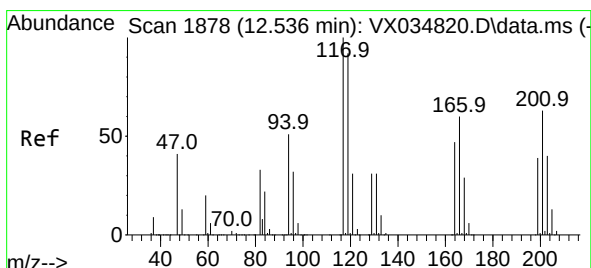
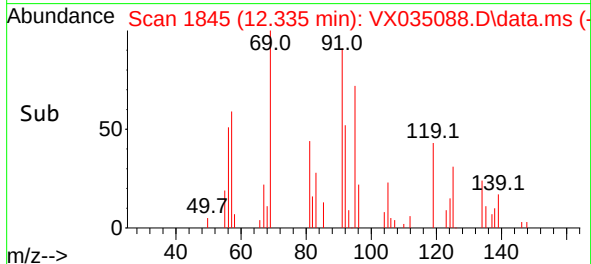
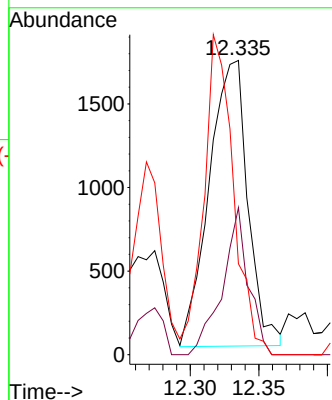
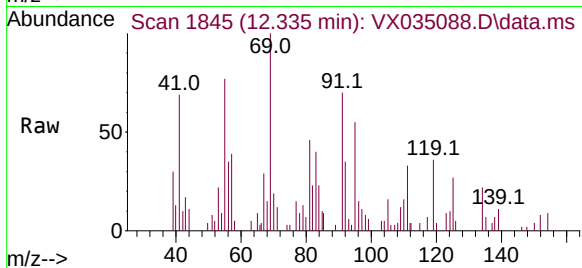
Tgt Ion: 91 Resp: 3352

Ion Ratio Lower Upper

91 100

92 34.7 27.7 83.0

134 85.6 13.0 38.9#



#90

Hexachloroethane

Concen: 0.591 ug/l

RT: 12.555 min Scan# 1881

Delta R.T. 0.019 min

Lab File: VX035088.D

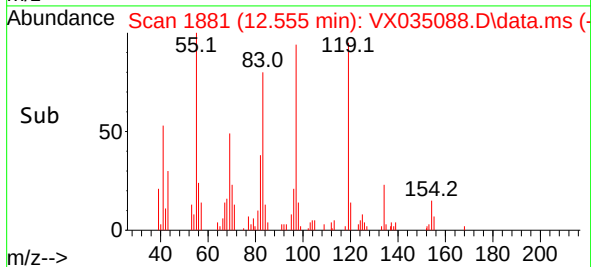
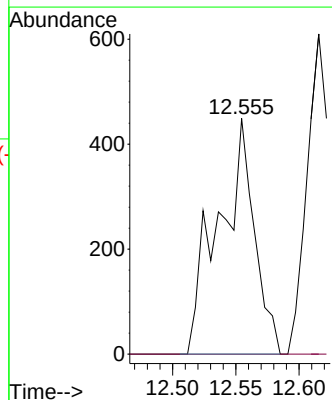
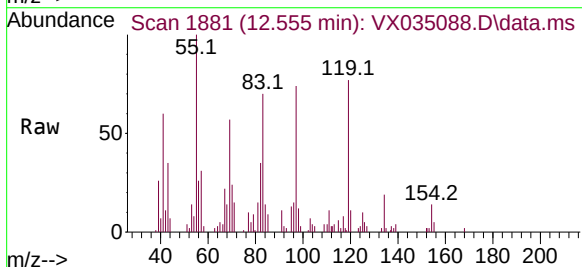
Acq: 14 Apr 2023 17:06

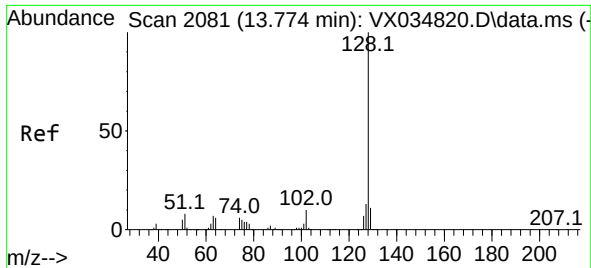
Tgt Ion: 117 Resp: 885

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.1#





#95
 Naphthalene
 Concen: 1.322 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX035088.D
 Acq: 14 Apr 2023 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 1595

Tgt Ion:	128	Resp:	14568
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.4
129	12.5	8.6	13.0

